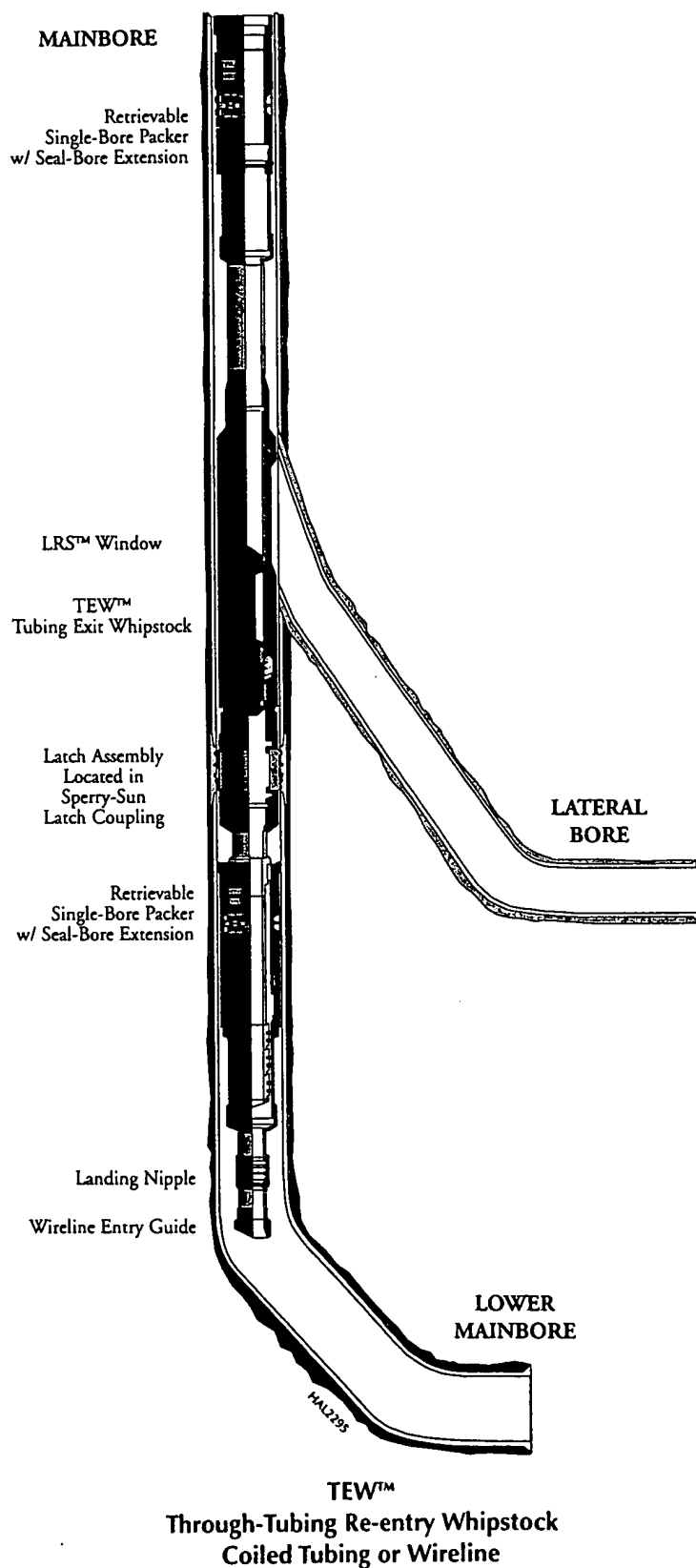


## TEW™ Tubing Exit Whipstock WorkMaster™ Workover Systems



### Application

The TEW™ whipstock is designed to allow non-rig intervention into the lateral bore for workover operations. This system is designed to enable cost-effective and simple well intervention of the lateral for cleaning, stimulation, zonal isolation, and data acquisition or to exploit additional zones. The TEW™ whipstock eliminates the need to pull completion tubing to access laterals and allows tools run on coiled tubing or wireline to enter the laterals. This through-tubing re-entry whipstock can be used with any LRS™ lateral re-entry system window, LRS-SL™ self-locating lateral re-entry system window, or vector block completion component. The TEW™ whipstock uses bore-sensing technology to ensure engagement at the correct orientation and depth prior to locking in place and release of the setting tool.

### Features

- Bore-sensing design for locating and orienting whipstock to the lateral bore
- Safety system requires alignment and locking prior to release
- Precise azimuth and depth control allows simple lateral access
- Non-throated whipstock allows full-gauge assemblies access to the lateral

### Benefits

- Bore sensing allows repeatable lateral re-entry
- Allows low-cost, non-rig through-tubing intervention operations with wireline or coiled tubing
- Compatible with LRS™, LRS-SL™, and vector block multilateral systems

# Multilateral Services *Specifications*

## TEW™ Tubing Exit Whipstock WorkMaster™ Workover Systems



### Typical Installation Sequence

- Rig up wireline or coil.
- Run in hole with TEW™ whipstock on coiled tubing or wireline.  
Set TEW™ whipstock in multilateral completion window.
- Produce or stimulate as required.
- Retrieve TEW™ whipstock on coiled tubing or wireline.

TEW™ Whipstock Specifications

System casing size	4 1/2 in. 114.3 mm	7 in. 9 5/8 in. 177.8 mm 244.5 mm	7 in. 9 5/8 in. 177.8 mm 244.5 mm	7 in. 9 5/8 in. 177.8 mm 244.5 mm	9 5/8 in. 244.5 mm
System profile size	2.250 in.	2.750 in.	3.437 in.	3.750 in.	3.812 in.
Tubing size	3 1/2 in. 88.9 mm	3 1/2 in. to 4 1/2 in. 88.9 mm to 114.3 mm	4 1/2 in. 114.3 mm	4 1/2 in. 114.3 mm	4 1/2 in. to 5 1/2 in. 114.3 mm to 139.7 mm
Work string	Wireline or coiled tubing				
Re-entry work	Used with ERSTM MSCS® multi-string completion system vector block or 4502M window bushing systems				

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DRILLING SERVICES

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